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Appl. No. 10/626,493
Amdt. dated November 15, 2006
Reply to Office Action of June 16, 2006,

Amendments to the Specification:

Please replace paragraph [29] with the following amended paragraph:

--Figure 4 depicts a method of using a sequential set of elution washes that form a gradient on a single aliquot containing an immobilized multicomponent biological complex to map interactions between components. Figure 4a depicts an aliquot of a sample in which the multicomponent biological complex is immobilized on a solid support through a biospecific affinity reagent. Figure 4b depicts the complex immobilized on the support subject to a sequence of washes of increasing stringency. Figure 4c depicts the step where the collected elution washes are analyzed to measure one of the components of the complex not bound by the affinity reagent.--

Please replace paragraph [30] with the following amended paragraph:

--Figure 5 depicts a method of using the method of Figure 4 to create an expression interaction difference map of components between samples of different kinds. It shows one component being eluted in different washes between the samples. Figure 5a depicts multicomponent complexes from a plurality of different samples immobilized on solid supports. Figure 5b depicts the complexes immobilized on the supports subject to a sequence of washes of increasing stringency. Figure 5c depicts the step where the collected elution washes are analyzed to measure one of the components of the complex not bound by the affinity reagent.--

Please replace paragraph [31] with the following amended paragraph:

--Figure 6 depicts a method of using the method of Figure 4 to create an expression interaction difference map of components between samples of different kinds. It shows one component being eluted in the same wash between the samples, but exhibiting a different mass due to alteration in one of the samples. Figure 6a depicts multicomponent complexes from a plurality of different samples immobilized on solid supports. Figure 6b depicts the complexes immobilized on the supports subject to a sequence of washes of increasing stringency. Figure 6c depicts the step where the collected elution washes are analyzed to measure one of the components of the complex not bound by the affinity reagent.--

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Please replace paragraph [32] with the following amended paragraph:

--Figure 7 depicts a method of using a series of elution washes that form a gradient on different aliquots containing the same immobilized multicomponent biological complex to map interaction between components. Figure 7a depicts an aliquot of a sample in which the multicomponent biological complex is immobilized on a solid support through a biospecific affinity reagent. Figure 7b depicts placing an aliquot of the immobilized complex into different wells for washing each aliquot with a different series of elution washes, each of which forms a gradient. Figure 7c depicts the step where the elution washes from each series are collected and analyzed to measure one of the components of the complex not bound by the affinity reagent.--

Please replace paragraph [33] with the following amended paragraph:

--Figure 8 depicts a method of using the method of Figure 7 to create an expression interaction difference map of components between samples of different kinds. It shows one component being eluted in different washes between the samples. Figure 8a depicts depicts multicomponent complexes from a plurality of different samples immobilized on solid supports. Figure 8b depicts placing an aliquot of the immobilized complexes into different wells for washing each aliquot with a different series of elution washes, each of which forms a gradient. Figure 8c depicts the step where the elution washes from each series are collected and analyzed to measure one of the components of the complexes not bound by the affinity reagent.--

Please replace paragraph [34] with the following amended paragraph:

--Figure 9 depicts a method of using the method of Figure 7 to create an expression interaction difference map of components between samples of different kinds. It shows one component being eluted in the same wash between the samples, but exhibiting a different mass due to alteration in one of the samples. Figure 9a depicts multicomponent complexes from a plurality of different samples immobilized on solid supports. Figure 9b depicts placing an aliquot of the immobilized complexes into different wells for washing each aliquot with a different series of elution washes, each of which forms a gradient. Figure 9c depicts the step where the elution

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washes from each series are collected and analyzed to measure one of the components of the complexes not bound by the affinity reagent.--